

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (Currently Amended): A device ~~Device~~ for monitoring a conveyor ~~(1)~~, comprising:

- a conveyor belt ~~(2)~~ made of elastomer material, having a carrying side ~~(3)~~ for the goods to be conveyed, and a running side ~~(4)~~, ~~whereby~~ wherein the conveyor belt has, ~~in particular,~~ an embedded strength support;
- an optoelectronic system ~~(5)~~ that optically detects at least one of the carrying side ~~(3)~~ and/or and the running side ~~(4)~~, ~~particularly the carrying side, in that it~~ said optoelectronic system recognizing ~~recognizes~~ damage during operation, and if a critical state of the conveyor belt is reached, ~~triggers~~ triggering at least one alarm selected from the group consisting of an acoustical alarm and/or and an optical alarm ~~(11)~~ and/or, in particular, brings about an automatic shut-down of the system;

- a process computer ~~(6)~~, ~~which is~~ coupled with the optoelectronic system ~~(5)~~, ~~for the purpose of~~ evaluating all of the data, ~~whereby~~ wherein the process computer is connected with at least one of the at least one alarm ~~(11)~~ ~~and/or~~ and a drive control ~~(12)~~; ~~as well as~~ and
- other system parts, ~~namely~~ selected from the group consisting of contact drums ~~(8)~~, support rollers ~~(9)~~, and support scaffolding, ~~as well as any other components that might be necessary;~~

wherein the device is additionally equipped with at least one structure-borne noise sensor ~~(10)~~, anchored in a bore of at least one of the contact drum and the support rollers, with a non-positive lock, that said at least one structure-borne noise sensor detecting detects deviations from ~~the~~ a reference frequency, ~~whereby~~ wherein a the process computer ~~(6)~~ ~~that~~ is connected with the structure-borne noise sensor, evaluates ~~the~~ a change in frequency, ~~specifically with simultaneous balancing with the using~~ reports from the optoelectronic system ~~(5)~~, ~~so that even in a case where the optoelectronic system itself does not report a critical state, and triggers at least one of the at least one alarm an acoustical and/or optical alarm and/or in particular, and an automatic shut-down of the conveyor is brought about even when the~~

~~optoelectronic system does not report a critical state, in that the process computer responsible for the structure-borne noise sensor is also connected with an alarm (11) and/or the drive control (12).~~

Claim 2 (Currently Amended): The device ~~Device~~ according to claim 1, wherein the structure-borne noise sensor ~~(10)~~ is disposed in ~~the~~ a vicinity of the optoelectronic system ~~(5)~~.

Claim 3 (Canceled).

Claim 4 (Currently Amended): The device ~~Device~~ according to claim ~~3~~ 1, wherein the bore is disposed within ~~the~~ a center point of at least one of the contact drum ~~(8)~~ and/or and the support rollers ~~(9)~~.

Claim 5 (Currently Amended): The device ~~Device~~ according claim ~~3~~ 1, wherein the structure-borne noise sensor ~~(10)~~ is anchored in a bore of at least one of a reversing drum ~~(8)~~ and/or and a deflection drum.

Claims 6-7 (Canceled).

Claim 8 (Currently Amended): ~~Device~~ The device according to claim 1, wherein the process computer ~~for the optoelectronic system~~

~~(5) and the process computer for the structure-borne noise sensor~~
~~(10)~~ is a process computer unit ~~(6)~~.

Claim 9 (Currently Amended): ~~Device~~ The device according to claim 1, wherein the at least one ~~alarm for the optoelectronic system (5) and the alarm for the structure-borne noise sensor (10)~~ is an alarm unit ~~(11)~~.

Claim 10 (New): A device for monitoring a conveyor, comprising:

- a conveyor belt made of elastomer material, having a carrying side for the goods to be conveyed, and a running side, wherein the conveyor belt has an embedded strength support;
- an optoelectronic system that optically detects at least one of the carrying side and the running side, said optoelectronic system recognizing damage during operation, and if a critical state of the conveyor belt is reached, triggering at least one alarm selected from the group consisting of an acoustical alarm and an optical alarm;
- a process computer coupled with the optoelectronic system for evaluating all data, wherein the process

computer is connected with at least one of the at least one alarm and a drive control; and

- other system parts selected from the group consisting of contact drums, support rollers, and support scaffolding;

wherein the device is additionally equipped with at least one structure-borne noise sensor comprising piezoceramic and detecting deviations from a reference frequency, wherein the process computer is connected with the structure-borne noise sensor, evaluates a change in frequency using reports from the optoelectronic system, and triggers at least one of the at least one alarm and an automatic shut-down of the conveyor even when the optoelectronic system does not report a critical state.

Claim 11 (New): A device for monitoring a conveyor, comprising:

- a conveyor belt made of elastomer material, having a carrying side for the goods to be conveyed, and a running side, wherein the conveyor belt has an embedded strength support;

- an optoelectronic system that optically detects at least one of the carrying side and the running side, said optoelectronic system recognizing damage during operation, and if a critical state of the conveyor belt is reached, triggering at least one alarm selected from the group consisting of an acoustical alarm and an optical alarm;
- a process computer coupled with the optoelectronic system for evaluating all data, wherein the process computer is connected with at least one of the at least one alarm and a drive control; and
- other system parts selected from the group consisting of contact drums, support rollers, and support scaffolding;

wherein the device is additionally equipped with at least one structure-borne noise sensor configured in multiple layers and detecting deviations from a reference frequency, wherein the process computer is connected with the structure-borne noise sensor, evaluates a change in frequency using reports from the optoelectronic system, and triggers at least one of the at least

one alarm and an automatic shut-down of the conveyor even when the optoelectronic system does not report a critical state.